the Singer 9400 terminal

for Proofing
Editing
Imposing
Correcting Input
to Phototypesetters and Linecasters

- **Typesetting Command Generation**
- **Stand Alone Unit**
- **Multiple Satellite Stations With Total Capabilities Of Master**

All copy set on automatic phototypesetting products by Singer.

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GRAPHIC SYSTEMS

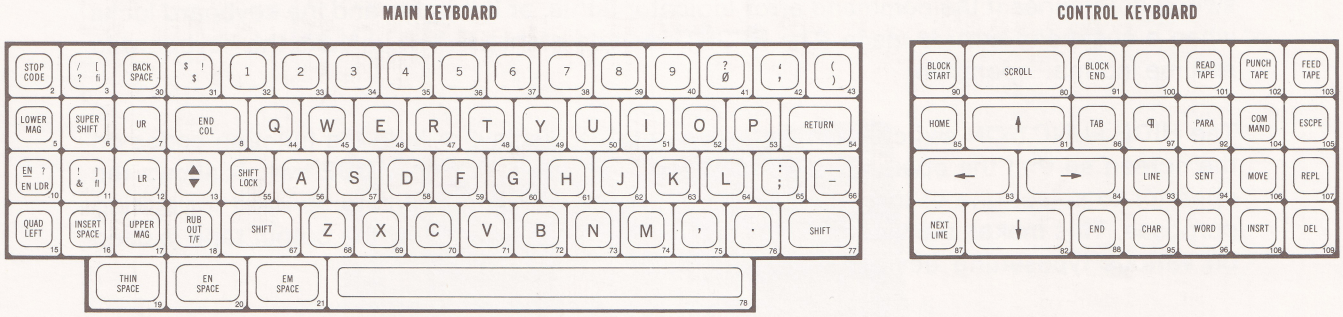
The Singer 9400 Terminal is a versatile, economical, and easy to use editing and correction CRT terminal which serves to increase your total throughput of work. Interaction between machine and man works to greatly reduce the total number of man-hours needed to complete a given job.

The 9400 Terminal is designed to satisfy all requirements for correcting, editing, and proof reading of text before the actual typesetting with one input tape and one final, correct output tape. The stand-alone design of the Singer 9400 offers unlimited compatibility with wire service or locally keyboarded copy, and the input/output coding flexibility enables the terminal to drive virtually any phototypesetter.

Training time, and operator orientation time, is reduced significantly because the operator's needs have been kept in mind through every design stage. Paper tape reader, punch, paper tape supply, keyboard, and functional controls are conventiently located for optimum efficiency. All switches are clearly labeled, and with a few minutes' instruction the operator begins to understand their use.

Actual editing time has been reduced to an absolute minimum through the ability to edit, modify, move, delete, or replace existing copy with new or corrected text at the flick of a switch and a few keyboard strokes. No time is lost in trying to correct a paper tape by duplicating the correct material from one tape, adding corrections, and producing a second complete, correct tape. Any amount of text editing can be done before the final tape is punched.

Three functions can be carried out at the same time: reading in a paper tape, editing the material already stored, and punching a corrected tape for input to the typesetter. Each block of copy, after editing, can be punched without deleting the remaining stored copy.



One of three standard keyboard layouts available

To edit the text displayed on the screen, the cursor is positioned at the location where the editing function is to be performed. If it is a character, the cursor is positioned on that character; if a paragraph, the cursor is positioned anywhere in that paragraph. After cursor positioning, the definition key (CHARACTER, WORD, SENTENCE, LINE, PARAGRAPH, or BLOCK) is pressed. This will cause blinking of that text on the display screen and allows visual verification that the proper text is defined. Next, the appropriate action key is pressed to initiate the proper function, such as REPLACE, DELETE, INSERT, or MOVE.

If text is to be inserted, the cursor is positioned, the INSERT key is pressed, and the proper text is added from the keyboard. The displayed text expands to accept the new text with full word wraparound. The REPLACE, DELETE and MOVE action keys operate in the same manner as the INSERT key.

Text input to the terminal is by the paper tape reader or the keyboard. An optional OCR adaptor is also available. Output to the typesetting equipment is by a paper tape punch. Input and output is 6-, 7-, or 8-channel paper tape with coding tailored to structure specified by the user.

The CRT display is a 14-inch diagonal screen with monospaced characters presented in approximately 14 point. The display capacity is 32 lines with 80 characters per line with a total of 2,560 characters maximum on the screen at any one time. Although display capacity is 2,560 characters, the SCROLLING feature allows total storage of 5,120 characters; half of which can be displayed at any one time. Scrolling allows the text to be rolled up or down the screen and still maintain the full 32 lines on the display screen. Memory can be added to increase the total storage capacity to 10,240 characters.

The 9400 Terminal has a full complement of upper and lower case alphanumerics, punctuation, and a set of special symbols. Symbols can be added or modified to meet user requirements. The keyboard has a light touch which is comparable to that of an electric typewriter. *The keys cannot be overrun by your fastest typist.*

the Singer 9400 terminal

Indicator lights on the front panel inform the operator of memory almost full, memory full, punch tape supply spool almost empty, upper rail mode selected (indicated additionally by increased intensity of the designated characters on the display screen), error in editing or command instruction.

Front panel controls expand the capability of the terminal. The COMMAND CONTROL switch determines if the command error indicator lights, or if it lights and the keyboard locks when a command error is made. The RESET position of this switch unlocks the keyboard to resume normal operation.

The HIDE FUNCTION switch enables the operator to display, or hide the function codes on the screen so that the operator is working only with the text. The MODE switch allows the operator to select one of three predefined sets of line ending codes to be used for editing purposes. This makes the video display more accurately reflect how the output tape is used on various typesetting devices.

SPECIFICATIONS

Input

Sources ..... Keyboard.
Paper tape reader.
OCR page reader.

Codes ..... TTS Standard.
Other codes can be optionally provided.

Paper Tape Reader ..... 150 character/second photo-electric stepping motor advance.

6 or 8 level tape advanced or in-line sprocket feed may be interchangeably used.

Output

Source ..... Paper Tape Punch.

Codes ..... TTS Standard.
Other codes can be optionally provided.

Paper Tape Punch ..... 70 character/second stepping motor advance.

6 or 8 level advanced or in-line sprocket feed specified at time of order.

CRT Display

Tube Size ..... 14" diagonal.

Character Size ..... Approximately 14 point.

Character Spacing ..... Mono spaced.

Font ..... Upper and Lower case alphanumerics, full punctuation, special TTS symbols, full 128 character set (104 characters standard, generated on 7 x 11 dot matrix, expandable by 24, generated on a 7 x 15 dot matrix.)

Format ..... Single column: 32 lines of 80 characters maximum per line.

Full word wraparound.

Capacity ..... 80 characters per line on 32 lines (memory capacity up to 128 lines).

Keyboard

Light touch, n-key rollover electronic encoded 65 key with Shift, Shift Lock, and Backspace

Miscellaneous

Electronic ..... All solid state.
Integrated circuit logic unit.

Power ..... 110 VAC Single-Phase, 600 Watts.

Size ..... 43H x 45W x 30D single pedestal;
43H x 60W x 30D double pedestal.

Weight ..... Approximately 450 lbs.

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